

Applicant	: Nai-Kong CHEUNG	Atty. Dkt. #	: 639-C-PCT-US
USSN	: 10/565,484	Art Unit	: 1623
Filed	: 1/17/2006	Date of Office Action	: 2/22/2008
Examiner	: Eric Olson	Date of Response	: 5/13/2008
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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior listings or versions of claims in this application.

1-13. (Canceled)

14. (New) A composition comprising:

(a) a composition comprising an antibody that binds to a cancer cell, and at least one pharmaceutically acceptable carrier, wherein the cancer is selected from the group consisting of neuroblastoma, melanoma, non-Hodgkin's lymphoma, breast cancer, Epstein-Barr related lymphoma, Hodgkin's lymphoma, and epidermoid carcinoma; and

(b) an orally administered composition comprising at least one pharmaceutically acceptable carrier and a  $\beta$ -glucan in an amount effective to enhance the antitumor effect of said antibody, wherein the  $\beta$ -glucan comprises a  $\beta$ -1,3 backbone and at least one  $\beta$ -1,3 side chain linked to the backbone by a  $\beta$ -1,6 glycosidic bond.

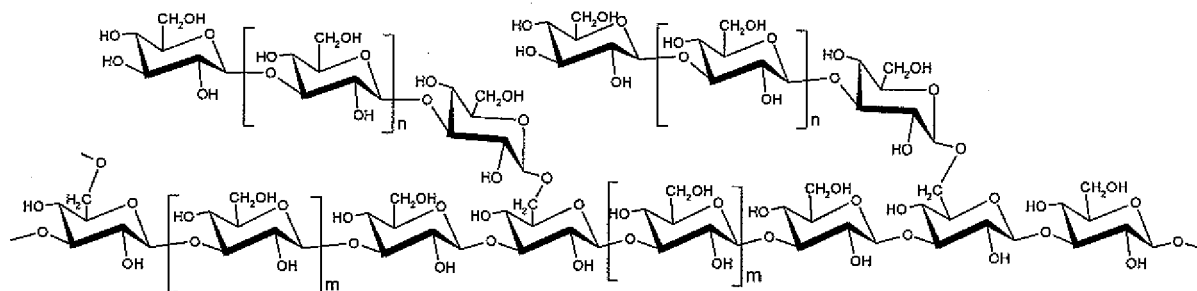
15. (New) The composition of claim 14, wherein the  $\beta$ -glucan is isolated from yeast.

16. (New) The composition of claim 14, wherein the  $\beta$ -glucan is isolated from *Saccharomyces Cerevisiae*.

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17. (New) The composition of claim 14, wherein the  $\beta$ -glucan has a molecular weight from about 10 kDa to about 350 kDa and is capable of inducing cytokines.

18. (New) The composition of claim 14, wherein the  $\beta$ -glucan comprises the following partial structure:



19. (New) The composition of claim 14, wherein the antibody is a monoclonal antibody or a complement-activating antibody.

20. (New) The composition of claim 14, wherein the antibody binds to a cancer cell expressing an antigen selected from the group consisting of CD20, HER2, EGFR, GD2, and GD3.

21. (New) The composition of claim 14, wherein the antibody is further capable of activating an antibody dependent cell-mediated cytotoxicity response.

22. (New) A composition comprising:

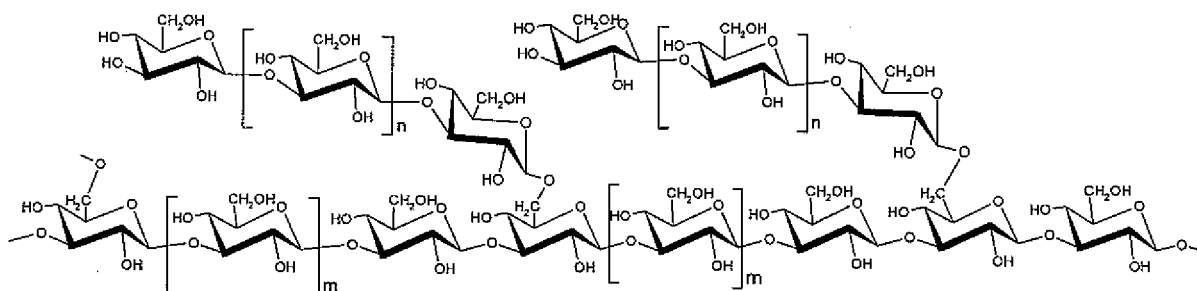
(a) a composition comprising an antibody that binds to a cancer cell, and at least one pharmaceutically acceptable carrier, wherein the antibody binds to a

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cancer cell expressing an antigen selected from the group consisting of CD20, HER2, EGFR, GD2, and GD3; and

- (b) an orally administered composition comprising at least one pharmaceutically acceptable carrier and a  $\beta$ -glucan in an amount effective to enhance the antitumor effect of said antibody, wherein the  $\beta$ -glucan comprises a  $\beta$ -1,3 backbone and at least one  $\beta$ -1,3 side chain linked to the backbone by a  $\beta$ -1,6 glycosidic bond.

23. (New) The composition of claim 22, wherein the  $\beta$ -glucan is isolated from yeast.
24. (New) The composition of claim 22, wherein the  $\beta$ -glucan is isolated from *Saccharomyces Cerevisiae*.
25. (New) The composition of claim 22, wherein the  $\beta$ -glucan has a molecular weight from about 10 kDa to about 350 kDa and is capable of inducing cytokines.
26. (New) The composition of claim 22, wherein the  $\beta$ -glucan comprises the following partial structure:



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27. (New) The composition of claim 22, wherein the antibody is a monoclonal antibody or a complement-activating antibody.
28. (New) The composition of claim 22, wherein the cancer cell is selected from the group consisting of neuroblastoma, melanoma, non-Hodgkin's lymphoma, breast cancer, Epstein-Barr related lymphoma, Hodgkin's lymphoma, and epidermoid carcinoma.
29. (New) The composition of claim 22, wherein the antibody is further capable of activating an antibody dependent cell-mediated cytotoxicity response.